

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error
1 BRS	L1	13	importin adj alpha	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/07/0 1 12:50			0
2 BRS	L2	6	cbp adj polypeptide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/07/0 1 12:51			0
3 BRS	L3	790	cbp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/07/0 1 12:51			0
4 BRS	L4	16	cbp same (acetylase or acetyltransferase)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/07/0 1 12:52			0
5 BRS	L5	1	1 same (2 or 4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/07/0 1 12:52			0

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error
1 BRS	L1	16	cbp same (acetylase or acetyltransferase)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/07/01 13:09			0
2 BRS	L2	6	cbp adj polypeptide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/07/01 13:09			0
3 BRS	L3	62	(karyopherin adj alpha) or kap60 or srp1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/07/01 13:10			0
4 BRS	L4	0	(1 or 2) same 3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/07/01 13:10			0

=> d his

(FILE 'HOME' ENTERED AT 12:57:22 ON 01 JUL 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA'
ENTERED AT

13:00:41 ON 01 JUL 2002

L1 925 S IMPORTIN ALPHA
L2 696 S (KARYOPHERIN ALPHA) OR KAP60 OR SRP1
L3 1474 S L1 OR L2
L4 2 S CBP POLYPEPTIDE
L5 1270 S CBP (P) (ACETYLASE OR ACETYLTRANSFERASE)
L6 1272 S L4 OR L5
L7 5 S L3 (P) L6
L8 2 DUPLICATE REMOVE L7 (3 DUPLICATES REMOVED)

=> log y

FILE 'HOME' ENTERED AT 12:57:22 ON 01 JUL 2002

=> file medline caplus biosis embase scisearch agricola		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	1.26	1.26

FILE 'MEDLINE' ENTERED AT 13:00:41 ON 01 JUL 2002

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FILE 'AGRICOLA' ENTERED AT 13:00:41 ON 01 JUL 2002

=> s importin alpha
L1 925 IMPORTIN ALPHA

=> s (karyopherin alpha) or kap60 or srp1
L2 696 (KARYOPHERIN ALPHA) OR KAP60 OR SRP1

=> s l1 or l2
L3 1474 L1 OR L2

=> s cbp polypeptide
L4 2 CBP POLYPEPTIDE

=> s cbp (p) (acetylase or acetyltransferase)
L5 1270 CBP (P) (ACETYLASE OR ACETYLTRANSFERASE)

=> s l4 or l5
L6 1272 L4 OR L5

=> s l3 (p) l6
L7 5 L3 (P) L6

=> duplicate remove l7
DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L7
L8 2 DUPLICATE REMOVE L7 (3 DUPLICATES REMOVED)

=> d l8 1-2 ibib abs

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:145120 CAPLUS
DOCUMENT NUMBER: 132:191430
TITLE: Assays, methods and means for modulating nuclear
localization
INVENTOR(S): Kouzarides, Tony
PATENT ASSIGNEE(S): Cancer Research Campaign Technology Limited, UK
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2000011478 A1 20000332 WO 1999-GB2731 19990820
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD,
MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
AU 9954351 A1 20000314 AU 1999-54351 19990820
EP 1105738 A1 20010613 EP 1999-940357 19990820
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.:

GB 1998-18356 A 19980821
WO 1999-GB2731 W 19990820

AB ***CBP*** histone ***acetyltransferase*** acetylates
Importin . ***alpha*** ., affecting ability of ***Importin***
. ***alpha*** . to translocate into the nucleus and import a cargo
protein. Assays identify substances which modulate interaction between
CBP and ***Importin*** . ***alpha*** . and acetylation of
Importin . ***alpha*** . by ***CBP*** . Substances
identified in the assays are useful for treatment of disorders in which
Importin . ***alpha*** . plays a role.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 2 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 2000264486 MEDLINE
DOCUMENT NUMBER: 20264486 PubMed ID: 10801418
TITLE: Acetylation of importin-alpha nuclear import factors by
CBP/p300.
AUTHOR: Bannister A J; Miska E A; Gorlich D; Kouzarides T
CORPORATE SOURCE: Department of Pathology, Wellcome/CRC Institute, University
of Cambridge, Cambridge, CB2 1QR, UK.
SOURCE: CURRENT BIOLOGY, (2000 Apr 20) 10 (8) 467-70.
Journal code: 9107782. ISSN: 0960-9822.
PUB. COUNTRY: ENGLAND: United Kingdom
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200006
ENTRY DATE: Entered STN: 20000616
Last Updated on STN: 20000616
Entered Medline: 20000602

AB Histone ***acetylases*** were originally identified because of their
ability to acetylate histone substrates [1] [2] [3]. ***Acetylases***
can also target other proteins such as transcription factors [4] [5] [6]
[7]. We asked whether the ***acetylase*** CREB-binding protein (
CBP) could acetylate proteins not directly involved in
transcription. A large panel of proteins, involved in a variety of
cellular processes, were tested as substrates for recombinant ***CBP***
. This screen identified two proteins involved in nuclear import, Rch1
(human ***importin*** - ***alpha***) and importin-alpha7, as targets
for ***CBP*** . The acetylation site within Rch1 was mapped to a single
residue, Lys22. By comparing the context of Lys22 with the sequences of
other known substrates of ***CBP*** and the closely related
acetylase p300, we identified G/SK (in the single-letter amino
acid code) as a consensus acetylation motif. Mutagenesis of the glycine,
as well as the lysine, severely impaired Rch1 acetylation, supporting the
view that GK is part of a recognition motif for acetylation by ***CBP***
/p300. Using an antibody raised against an acetylated Rch1 peptide, we
show that Rch1 was acetylated at Lys22 in vivo and that ***CBP*** or
p300 could mediate this reaction. Lys22 lies within the binding site for a
second nuclear import factor, importin-beta. Acetylation of Lys22 promoted
interaction with importin-beta in vitro. Collectively, these results
demonstrate that acetylation is not unique to proteins involved in
transcription. Acetylation may regulate a variety of biological processes,
including nuclear import.

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=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	25.06	26.32
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.62	-0.62

STN INTERNATIONAL LOGOFF AT 13:05:06 ON 01 JUL 2002